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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/815,861

04/02/2004

I-Chang Hsu

BHT-3092-424

9870

7590

02/03/2005

BRUCE H. TROXELL

SUITE 1404

5205 LEESBURG PIKE

FALLS CHURCH, VA 22041

EXAMINER

GILMAN, ALEXANDER

ART UNIT

PAPER NUMBER

2833

DATE MAILED: 02/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/815,861

Applicant(s)

HSU ET AL.

Examiner

Alexander D Gilman

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 02 April 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

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With regard to claim 1, Lopata et al (US 6,299,487) disclose an electrical connector with grounding structure, which comprises:

an insulating body (104) for providing a plurality of transmitting terminals (some of 131) inserted therein, a cable assembly, comprising predetermined transmitting units positioned over said transmitting terminals and a jacket layer with fixing and conducting effect

enclosed outside said transmitting units,

a grounding part, comprising a contacting part (133a) for contacting with said jacket layer (135) , and comprising predetermined grounding terminals (some of 131) extended directly from said contacting part for inserting into said insulating body; and

an outer jacket (110), for enclosing all aforesaid elements inside,

thereby, said cable assembly of said electrical connector has grounding effect without any grounding line positioned inside cable assembly.

With regard to claim 5, Lopata et al disclose that said grounding part is made of an electrical contact material

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 2, 3, 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Peloza et al.

Lopata et al disclose all of the limitations except for conducting part enclosed over said jacket layer and said grounding part to improve the contact effect.

Peloza et al (US 6,722,898) disclose conducting part (42) enclosed over said jacket layer and said grounding part (col. 5, lines 55-60)

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Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the conducting part , as taught by Peloza et al , to improve electricla shielding.

With regard to claim 3, Lopata et al when modified by Peloza et al disclose (Peloza et al) that said conducting part is made of metal material with electrical characteristics such as copper sheet (col. 6, line 19, 20); .

With regard to claim 6, Lopata et al when modified by Peloza et al disclose (Peloza et al) that said both sides of said contacting portion comprise a wing portion respectively to provide pressing and fitting, so as to cause said grounding part and said jacket layer having better conducting effect.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Kao  
Lopata et al disclose all of the limitations except for said jacket layer being an aluminum foil Mylar.  
Kao (US 6,724,282) discloses jacket layer being an aluminum foil Mylar (col. 1, lines 15-21).

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the jacket layer being an aluminum foil Mylar, as taught by Kao, to ensure no reflection signal transmission.

Claims 7-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lopata et al in view of Peloza et al and further in view of Chandler et al, Kao, Nakamura.

With regard to claims 7, 8-10, 12, Lopata et al alone, Lopata when modified by Peloza et al, and Lopata et al when modified by Kao, disclose all of the limitations, as applied respectively to claims 1-6 above except for:

- opening end of said metal braid and said metal braid being bent from inwardly to outwardly and extended outside said cable;
- another conducting partis being used to enclose over said metal braid ;
- one end of said metal housing has a holding portion mainly using to hold said metal braid and said conducting part enclosed outside.

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Chandler (Re. 32,760) disclose (col. 4, lines 29-34) opening end of said metal braid (129) and said metal braid being bent from inwardly to outwardly and extended outside said cable;

another conducting parts (127) being used to enclose over said metal braid ;

Nakamura (US 5,456,618) discloses that one end of said metal housing has a holding portion (69) mainly using to hold said metal braid and said conducting part enclosed outside.

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the Lopata et al device with the grounding features , as taught by Chandler and Nakamura, to ensure dependable grounding.

With regard to claim 11, Lopata et al when modified by Peloza disclose that said insulating layer (16\_ is an insulating gummed tape.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander D Gilman whose telephone number is 571 272-2004. The examiner can normally be reached on Monday-Friday, 10:30 a.m. - 8:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571 272-2800 ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

02/01/2005



**ALEXANDER GILMAN**  
**PRIMARY EXAMINER**